Example 1										
		Mol. Wt.		<u> </u>	moles of moles of	moles of		Moles of metal from	Calculated Phosphor Composition from Oxide	
		(a/mole)	Mass (g)	moles of oxide	oxide	metal	metal	formula		Comment
	Y203	226	9.82	0.0435	2	6980.0	>	0.87	0.87	
	Ce02	172	2.07	0.0120	1	0.0120	ပီ	0.12	0.12	
	Tb407	748	37.57	0.0502	4	0.2009	T.	2.01	2.01	
	AI203	102	26.41	0.2589	2	0.5178	¥	5	5.18	5.18 Excess Al2O3

	1	JU.		AI2O3
	-	Comment	1 4	5 29 Excess AI2O3
	Moles of Phosphor Phosphor Composition from Oxide	Wilxture 0 13		5.2
	Moles of metal from	ormula 0 12	2.94	L C
		liela Liela	3 2	٩
	moles of	0.006	0.2303	0.4143
	moles of moles of moles of moles of	Oxide	4	6
		16	0.0576	0 2072
	(5) 00 00 W	1 65	43	21.13
	Mol. Wt.	172	748	102
2	9 5 2 7 8	CeO2	Tb407	AI203
Example 2				

Example 3	3									
		Mol. Wt.			moles of metal/mole of	moles of		Moles of metal from	Calculated Moles of Phosphor metal Composition from Oxide	
	Oxide	(a/mole)	Mass (g)	Aass (g) moles of oxide	oxide	metal	metal	formula	Mixture	Comment
	Y203	226	32.18	0.1424	2	0.2848	>	2.85	2.85	
	Ce02	172	2.07	0.0120	-	0.0120	ပီ	0.12	0.12	
	Tb407	748	0.56	0.0007	4	0.0030	d T	0.03	0.03	
	AI203	102	26.41	0.2589	2	0.5178	₹	5	5.18	5.18 Excess AI2O3

	tuament.	COLLIGIE		2		5.18 Excess AI2O3
	Moles of Phosphor Phosphor Composition from Mixture	ואוואומום	2.37	0.12		
	Moles of metal from formula	פובוסו	2.37	0.12	0.51	5
	# 	200	>	Ce	T q	₹
	moles of		0.2368	0.0120	0.0510	0.5178
	moles of metal/mole of moles of oxide	200	2	1	4	2
	moles of oxide		0.1184	0.0120	0.0127	0.2589
	Mass (a)	200	26.76	2.07	9.53	26.41
	Mol. Wt. (a/mole)		226	172	748	102
	O Xide		Y203	Ce02	Tb407	A1203
Example 4						

		ī				AI2O3
		Comment				5 18 Excess AI2O3
	Calculated Moles of Phosphor metal Composition from Oxide	Mixture	2.73	0.24	0.03	5 18
	Moles of metal from	formula	2.73	0.24	0.03	יני
		metal	>	Ce	a	₹
	noles of	metal	0.2727	0.0240	0.0030	0.5178
	moles of moles of	oxide	2	-	4	2
		moles of oxide	0.1364	0.0240	0.0007	0.2589
		Mass (g) n	30.82	4.13	0.56	26.41
	Mol. Wt.	(alom/g)	226	172	748	102
			Y203	Ce02	Tb407	AI203
Example 5						

	Calculated Phosphor Composition from Oxide	e Comment	0.12	2.88	5 18 Excess AI2O3
	Calculated Moles of Phosphor metal Compositio from from Oxide	formula Mixture	0.12	2.88	u.
	•	metal	o C	1 P	Ā
	moles of	metal	9600.0	0.2303	0 4143
	moles of metal/mole of In	oxide	1	4	2
		lass (g) moles of oxide	0.0096	0.0576	0.2072
		Mass (g) r	1.65	43.07	21.13
	Mol. Wt.	(alom/g)	172	748	102
9		Oxide	Ce02	Tb407	AI203
Example 6					

Example 7										
		Mol. Wt.			moles of moles of	moles of		Moles of metal from	Calculated Phosphor Composition from Oxide	
Ő	Oxide	(a/mole)	Mass (g) mo	moles of oxide	oxide	metal	metal	formula	Mixture	Comment
ő	Ga203	187	7.5	0.0401	7	0.0802	Ga	_	1.00	
ඊ	Ce02	172	1.65	0.0096	L .	9600'0	Ce	0.12	0.12	
T D	Tb407	748	43.07	0.0576	7	0.2303	ρ	2.88	2.88	•
AĽ	AI203	102	17.05	0.1672	7	0.3343	₹	4	4.18	4.18 Excess AI2O3

Example 8		,								
		Mol. Wt.			moles of metal/mole of moles of	moles of		Moles of metal from	Calculated Moles of Phosphor metal Composition from Oxide	
	Oxide	(a/mole)	Mass (g)	moles of oxide	oxide	metal	metal	Ø	Mixture	Comment
	Ga203	187	15	0.0802	2	0.1604	Ga	2	2.01	
	Ce02	172	1.65	9600.0	3	9600.0	င္	0.12	0.12	
	Tb407	748	43.07	0.0576	5	0.2303	ТЪ	2.88	2.88	
	AI203	102	12.97	0.1272	2	0.2543	AI	3	3.18	3.18 Excess AI2O3

Example 9										
		Mol. Wt.			moles of metal/mole of moles of	moles of		Moles of metal from	Calculated Phosphor Composition from Oxide	
ŏ	Oxide	(g/mole)	Mass (g)	moles of oxide	oxide	metal	metal	<u>a</u>	Mixture	Comment
Y2	Y203	226	4880	21.5929	2	43.1858	Υ	1.5	1.50	
В	Gd203	362.5	7050	19.4483	2	38.8966	В	1.35	1.35	
Ce	Ce02	172	595	3.4593		3.4593	ပီ	0.12	0.12	
d T	Tb407	748	161.6	0.2160	4	0.8642	Tb	0.03	0.03	
AIZ	AI203	102	7340	71.9608	2	143.9216	AI	5	5.00	5.00 Stoichiometric